

A METHOD AND SYSTEM FOR PROVIDING SUBSTANTIALLY WATER-FREE EXHAUST GAS

Abstract of the Disclosure

A method and system for providing substantially water-free compressed exhaust gas including extracting exhaust gas from a hydrocarbon fuel consuming engine, passing engine exhaust gas through a catalytic converter, passing the exhaust gas from the catalytic converter through a first compressor and chiller/separator in which the exhaust gas is compressed and chilled below the dew point temperature thereof to cause entrained water vapor therein to condense out, separating out and disposing of the condensed water to achieve extra dry exhaust gas and compressing the extra dry exhaust gas in a second compressor to provide compressed exhaust gas for industrial purposes such as for injecting into a subterranean formation to augment the production of crude oil.